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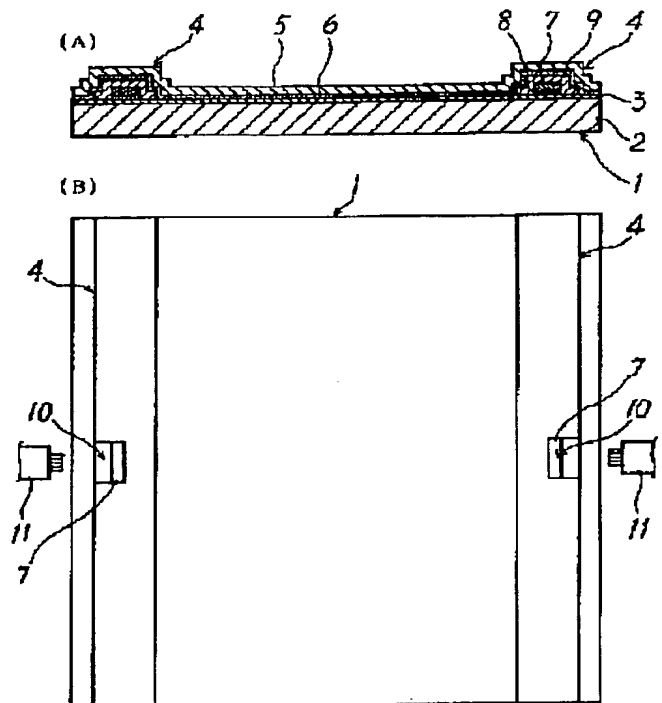
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APPLICANT : DAIDO MARUTA SENKO KK;

INVENTOR : UEDA YASUO;

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TITLE : TRANSPARENT SURFACE HEATING
ELEMENT



ABSTRACT : PURPOSE: To uniform the current distribution or heat generation on a conductive film, and improve the connecting property or connecting work property with an external wire by constituting an electrode from a conductive resin layer laminated on a metal foil stuck to the side end of a conductive film, and a terminal part on the foil.

CONSTITUTION: In an electrode 4, a metal foil 7 consisting of copper foil is stuck on each side end of the conductive film 3 of a transparent conductive sheet 1 with an adhesive 8, and a conductive resin layer 9 consisting of silver ink is integrally laminated on the foil 7 and the film 3 near it by screen printing. A transparent protective film 5 is stuck to the whole surface with an adhesive 6. The middle part of each metal foil 7 is exposed from the film 5 and the layer 9 as a terminal 10. When an external wire is connected to each terminal 10 by soldering, and a voltage is applied, the foil 7 and the layer 9 in the electrode 4 have substantially equal potentials over the whole length, the current distribution on the film 3 between both electrodes are uniformed over the whole surface, and the heating value can be also uniformed.

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